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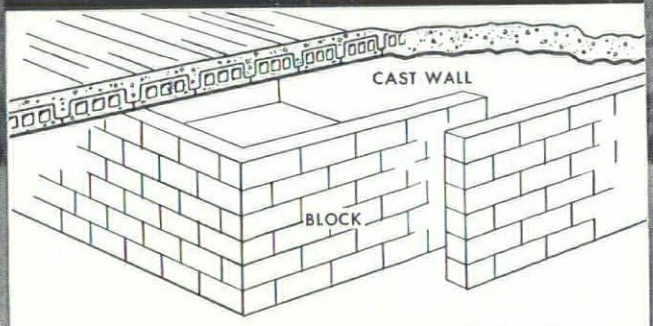

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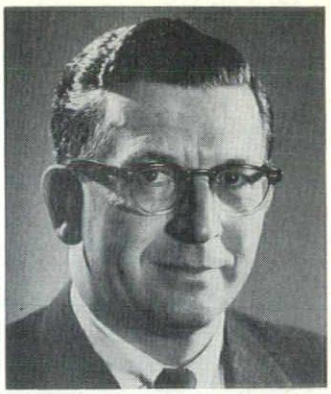

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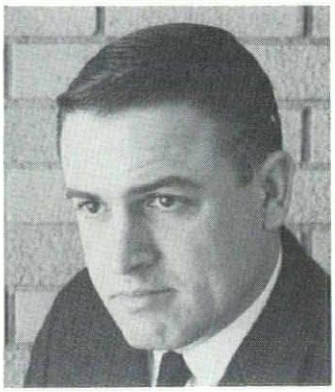

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Grillot, Atlee L. .....1810 Oneida Place, Ann Arbor
Groth, H. Warren .....22825 Avalon, St. Clair Shores
Gussow, Leonard H. .....153 E. Elizabeth St., Detroit 1
Hamill, William F., Jr. ..6252 W. Walker Rd., RFD 2, St. Johns
Hammarstrom, Olav .....52 N. Lake Dr., Hamden, Conn.
Hardtke, Raymond E. .....5732 Balfour Road, Detroit 24
Hartge, Erwin .....10028 Hartel Ct., Livonia
Healy, Lowell C. .....22901 Olmstead, Dearborn
Heineman, Floyd H. .....2659 Bembridge, Royal Oak
Heppner, Wilbert C .....1336 Audubon, Grosse Pointe 30
Hildebrand, Grant .....363 George, Birmingham
Hofer, Russel J. .....30124 Gloria, St. Clair Shores
Hofer, William R. .....30042 Gloria, St. Clair Shores
Hoffman, Robert G. .....8278 Wisconsin, Detroit 4
Hubbard, Ralph G., Jr. .....1003 N. Woodward, Birmingham
Hubel, Raoul R. .....11600 Laing Ave., Detroit 24
Hustoles, Edward J. .....20274 Mansfield, Detroit 35
Jackson, Margaret K. .....1060 Bush St., San Francisco 9, Calif
Jannuzzi, Shirley A. .....5291 Lakeview, Detroit 13
Johnson, Donald F. .....1749 Woodgrove Lane, Bloomfield Hills
Johnson, Frank .....3760 Brewster, Dearborn
Johnson, Robert E. .....2924 Belle Plaine Trail,
Long Beach, Michigan City, Ind.
Johnson, Walter K. .....4217 Hiawatha Dr., Madison 5, Wisc.
Jones, John F. .....23706 Donald Ave., East Detroit
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Kasman, Murray B. .....7033 W. Carol, Niles, Ill.
Kasurin, John Paul .....1509 Martha Ave., Ann Arbor
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Kleiner, Miss Anne Mae.....1000 6th St., S.W., Apt. N. 401
Washington 24, D.C.
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Kohls, Leon H. .....28624 Cunningham, Warren
Kolopos, Nicholas J. .....8942 Timberline, Utica
Konstantinov, Traiko .....4207 Crooks Rd., Royal Oak
Koolmar, Roman A. .....19011 Patton Ave., Detroit 19
Kourtjian, Jerair .....16149 Kentucky, Detroit 21
Kovch, Roman .....6764 Rutland, Detroit 28
Krencicki, Alexander A. ....3350 Greentree Road, Birmingham
Krzeminski, Stanley E. .....715 Newport, Detroit 15
Laakso, John H. .....23860 Cunningham St., Warren
Laird, Edward H. .....355 Henrietta, Birmingham
Lansing, John A. .....1024 Forestdale, Royal Oak
Lavalli, Walter Ray .....1750 Culver, Dearborn
Leishman, Robert A. .....12603 S.E. 59th St., Bellevue, Wash.
Levantrosser, Frederick .....516 Lindberg, Rapid City, S. D.
Levin, Bernard J. .....19480 Livernois, Detroit 21
Liepins, Indulis .....875 Chester, Birmingham
Lim, William P. .....3302 Starr Road, Royal Oak

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MacShara, Miles A. .....17969 Mayfield, Livonia
Madias, Nicholas G. .....9408 Mintwood St., Silver Springs, Md.
Martens, William F. .....6556 Colonial, Dearborn
Martin, William E. .....24350 Notre Dame, Dearborn
Mason, Clement E. .....1954 Elm St., Alpena
Mather, Alan W. .....19935 Glastonbury Road, Detroit 19
Matthes, Walter J. .....15845 Ashton, Detroit 23
McCalpin, Raymond L., Jr. .....22467 Marine, East Detroit
McCarthy, Charles E. .....20711 Orangelawn, Detroit 28
McClurg, Richard H. .....12740 Fenkell Ave., Detroit 27
McEvilly, Thomas P. .....306 Claremont Ave., Dearborn
McKenna, Frank J. .....718 N. Mildred, Dearborn
McPherson, Roy R. .....18940 Eastwood Dr., Harper Woods 36
Meisel, Oscar W., Jr. .....130 E. Addison St., Jackson
Merckling, George H. .....912 Longfellow, Royal Oak
Merivalja, Mart .....17317 Birwood, Detroit 21
Miller, Donald E. .....15956 Stamford Road, Livonia
Miller, Ronald L. .....1393 Cedar Dr., Birmingham
Mitchell, David S., ...20109 W. Eight Mile Road, Detroit 19
Mitton, Gordon H. .....1553 Kingsbury, Dearborn
Morris, Robert L. .....327 Grennwood, Birmingham
Nelson, Hans P. .....College Engr., Wayne State Univ. 667 Merrick, Detroit 2
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Nobili, Marco .....17140 E. Jefferson Ave., Grosse Pointe 30
Noble, James P. .....16134 E. Warren Ave., Detroit 24
North, Frank E. .....7371 Coach Lane, Birmingham
Notter, George Madison, Jr. .....710 Graefield Ct., Birmingham
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Olsen, Iver G. .....914 Bryant Ave., Jackson
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Orosz, Victor F. .....13101 Phelps, Southgate
Palmer, Thomas A. .....2044 Hollywood Ave., Dearborn 8
Pamel, James D. .....19359 Burgess, Detroit 19
Parkins, Maurice F. .....2889 W. Grand Blvd., Detroit 2
Pearson, Richard A. .....69 N. Ardmore St., Pontiac
Penney, Richard J. .....503 S. Vermont, Royal Oak
Pettipher, Harold R. .....16620 Strathmoor, Detroit 35
Pierce, Ralph .....19480 Livernois, Detroit 21
Pilafian, Grace J. .....457 W. Fort St., Detroit 26
Pisko, Nicholas .....5656 Calhoun, Dearborn
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Prevost, Alvin R. .....915 McLean, Royal Oak
Price, Ralph U. .....13936 Glastonbury, Detroit 23
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Raymond, Robert Joseph .....250 North Drive, Wyandotte
Reinke, Elmer Frederick .....6184 Lantern Lane, Birmingham
Reiss, Frederick H. .....17645 Cooley Road, Detroit 19
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Rogers, Harry L. .....11668 Forrer Ave., Detroit 27
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Sheeran, Edward P. .....4619 Groveland, Royal Oak
Shrem, Victor J. .....24100 Marlow, Oak Park 37
Sieg, Donald H. .....29966 MacIntyre, Livonia
Sills, Calvin R. .....3969 N. River Road, Port Huron
Singer, Charles D. .....31151 Merritt, Garden City
Slimmon, James .....18621 Sorrento, Detroit 35
Smith, Claiborne F. .....3003 Wakefield Road, Berkley
Smith, James R. .....229 Lothrop Road, Grosse Pointe 36
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Tanase, Thos. T. .....15515 Winthrop, Detroit 27
Tanke, Eugene Thomas .....24387 Rensselaer, Oak Park 37
Telfer, John D. .....128 N. Normal St., Ypsilanti
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Wise, William E. .....20500 Stout, Detroit 19
Woehlke, Larry W. .....6073 Dwight, Dearborn
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Young, Donald Paul .....4525 W. Maple, Birmingham
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Zampa, Victor M. .....29207 Jacquelyn, Livonia
Zelinger, Victor .....5203 Audubon, Detroit 24
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Jones, A. Charles ..... 204 East Second Street, Flint
Klein, Herman J. ..... 708 Harrison Street, Flint
Knuth, Ralph W. ..... 708 Harrison Street, Flint
Kretchmar, J. Lauran ..... 1137 North Dye Road, Flint
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Mengel, Robert G. ..... 708 Harrison Street, Flint
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Nurmi, S. A. ..... 415 Lewis Street, Flint
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114 West Union Street, Flint

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Currie, Richard ..... 1518 Potter Blvd., Flint
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Reed, Gordon ..... 1168 Robert T. Longway, Flint
Reed, Marcus G. ..... G-3403 N. Genesee, Flint
Reno, Ronald ..... 3313 Dearborn, Flint
Robbins, Lawrence A. ..... 1217 Maxine, Flint
Roberts, Tommy, Jr. ..... 6206 Natchez Dr., Mt. Morris
Rose, Henry N. ..... 2213 Welch Blvd., Flint
Stocker, John ..... 315 Post Street, Midland
Wheat, James D. ..... 1809 Copeman, Flint
Williams, Charles ..... 1355 Kirtz, Flint

Roger Allen

Bernard DeVries

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Vice President ..... Bernard DeVries
Secretary ..... E. John Knapp
Treasurer ..... John Vandermeiden

Grand Valley Chapter

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Bowers, Paul D., Jr. .....330 State St., SE, Grand Rapids
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Colton, Harry L. .....545 Cheshire Dr., NE, Grand Rapids
Daverman, Herbert G. .....924 Grandville Ave., SW, Grand Rapids 9
Daverman, Joseph T. 924 Grandville Ave., SW, Grand Rapids 9
De Vries, Bernard J. .....613 Hackley Union Bldg., Muskegon
De Winter, Marvin J. .....Jenison
Firant, Edgar R. .....1616 Breton Rd., SE, Grand Rapids 6
Flanagan, Paul E. .....2706 Hall St., SE, Grand Rapids
Gaastra, Jan Tabe .....240 Lawndale, NE, Grand Rapids 3
Grant, Alexander H. ..2828 Oakwood Dr., SE, Grand Rapids 6
Hanson, Walter S. ..336 Holmdene Blvd., NE, Grand Rapids 3
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King, Ernest .....1041 Parmelee Rd., NW, Grand Rapids 4
Knapp, E. John .....1540 Edgewood, SE, Grand Rapids 6
Koteles, Michael John .....1203 Beech Tree, Grand Haven
Lane, Calvin D. .....717 Billantau St., SE, Grand Rapids 7
Magnuson, E. Harry .....1643 Peck St., Muskegon
McCarty, William H. .....331 Carlton Ave., SE, Grand Rapids
McMillen, M. Brice ....640 Eastern Ave., SE, Grand Rapids 6
Mead, Harry (F) (E) ..341 Michigan Trust Bldg., Grand Rapids
Nachtegall, James B. ....222 Federal Sq. Bldg., Grand Rapids 2
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Quittelier, Albert E. .....205 Norwood Ave., Grand Rapids 6
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Steketee, Chris (E) .....504 Murray Bldg., Grand Rapids
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Sumner, Mathias T. .....1643 Peck, Muskegon
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Valliere, Paul J. .....426 West Western, Muskegon
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Vandermeiden, John Jr. ....1203 Beech Tree St., Grand Haven
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Volkers, Jay H. .....924 Grandville Ave., SW, Grand Rapids
Weemhoff, Harvey (E) .....609 Windsor Terrace, SE, Grand Rapids
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Wold, Robert L. .....330 State St., SE, Grand Rapids 3
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Klug, Robert Earl .....1655 Goodwin, SE, Grand Rapids
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Schmidt, Richard Carl .....2260 Cascade Springs Dr., Grand Rapids
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Mid-Michigan Chapter

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Black, William D. ..... Stoddard Building, Lansing
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Chatterton, A. R. ..... 820 North Washington, Lansing 6
DeWolf, Howard E. ..... 167 Maplewood Drive, East Lansing
D'Haene, Nobyn H. ..... 1139 Mitchell St., Lansing 17
Dixon, Theodore W. ..... 820 N. Washington, Lansing 6
Farnsworth, Alvin L. ..... 3726 Dell Road, Holt
Fitzgerald, E. K. ..... 2211 Delta River Drive, Lansing
Fowler, Lewis L. ..... 3404 Walker Street, Lansing
Frank, Richard C. ..... 219 S. Grand Ave., Lansing 68
Freeman, Robert L. ..... 1515 W. Mt. Hope Ave., Lansing
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Hartwick, Bruce M. ..... 5025 West Saginaw, Lansing
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Laitala, Walter M. ..... 600 Hollister Building, Lansing 8
Langius, Adrian N. (F) ..... Lewis Cass Building, Lansing 13
Lucia, Angelo P. ..... 217-B Ann Street, East Lansing
Manson, Elmer J. ..... 520 Cherry Street, Lansing 33
Mattern, Robert A. ..... 1110 S. Pennsylvania, Lansing 12
Mayotte, Bernard J. ..... 201½ East Grand River, East Lansing
Newport, Richard J. ..... 3607 Macon, Lansing
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Opdyke, Charles V. ..... 3526 West Saginaw, Lansing
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Snyder, Richard G. ..... 3517 Tecumseh River Rd., Lansing
Stoppel, Roger T. ..... 520 Cherry Street, Lansing 33
Stow, Gordon H. ..... 3505 Tecumseh River Rd., Lansing
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Stuckman, R. H. ..... 3412 Schlee Street, Lansing
Webb, Wesley W. ..... 201½ E. Grand River, East Lansing
Williams, M. M. ..... 820 N. Washington, Lansing 6
Wilson, Dixon S. ..... 235 Highland Avenue, East Lansing
Zimmerman, A. J. ..... 710 Snyder Road, East Lansing

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Fuller, Robert W. ..... 3853 Waverly Hills Road, Lansing 17
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Gutzki, Kenneth E. ..... 742 Fitting Avenue, Lansing
Hinkle, Russell C. ..... 2316 Sunnyside, Lansing
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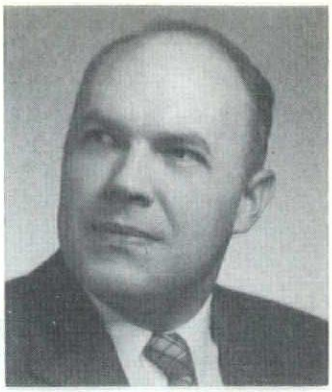
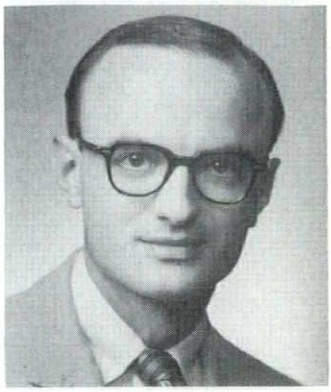
Leslie Dean Tincknell



Eugene C. Starke



R. W. Hammerschmidt

Saginaw Valley Chapter

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Accident Prevention Needs Full Cooperation

Do carelessness, complacency and ignorance roam your jobs? Are they draining your profits because they allow them free access to your job sites? Do they hold in their greedy fingers dollars picked right off the top of your profit—because you haven't taken the steps necessary to lock them out? Without a vigorous, effective accident prevention program demanded by you, on each of your jobs, these urchins stand ready to fill the gap—and they can cost you plenty. Like any other item of major importance in the operation of your firm, the spark to save these dollars must come from you.

Now this may seem like much-ado-about-nothing, but is it? How many of your bids could have been low in the past twelve months if your labor and insurance costs were 3 to 5 percent lower. Now, if you're going to tell me this is "baloney," I'm going to tell you that you don't know all of your costs! An accident has both a direct and an indirect cost. The direct costs are your medical, compensation and insurance costs. These are the costs you can see and can measure. Indirect costs are less obvious but more expensive.

First, how much can you save on your direct costs. If you pay over $1,000.00 per year in Workmen's Compensation premium, you are experienced rated based upon your firm's record for the previous three years of operation. Your attention to accident prevention is reflected in your rate. If you choose to ignore this record, you're going to pay the price. If your experience is bad enough, you may even find insurance companies refusing to take the risk.

There are firms which have, by concentrating on accident prevention, saved themselves thousands of dollars a year in Workmen's Comp premium. We know of one firm, as the result of a concentrated safety effort from top management on down, which pocketed over $45,000 in a three year policy period. In the first year of their second policy period, an additional $13,000 was refunded. These refunds represent a 39% reduction in their Workmen's Comp rates, and incidentally, a substantial addition to profit.

But this is but a small part of a much larger contribution to profit made possible by their accident prevention program. For contractors generally, the hidden cost of an accident is estimated at up to twenty times the medical and compensation costs. Not so easily identified are the hidden costs of an accident.

When there's an accident, workmen are emotionally affected, curious, and over-cautious to the point of ruining production, sometimes for a considerable length of time.

There is usually a loss of materials and/or equipment involved in the accident. Material and equipment is expensive and sometimes difficult to replace. Cost and delays of replacement, plus slow-down of personnel means ruined schedules and substantial expense.

The Construction Industry is the largest industry in the State of Michigan and the most competitive. Costs are important and the contractor with a good safety record holds a definite competitive advantage. Can you afford to ignore the possibility that carelessness, complacency and ignorance are stealing jobs and money from you?

According to Mr. G. R. Collins, president of the National Constructors Association, a comprehensive and well developed safety program must begin with top management. At a recent meeting of the President's Conference on Occupational Safety, Mr. Collins said, "Management must not only want a safety program, but must also make this fact known to its employees at all levels." The program must be sold to the workers at the start of employment and be enthusiastically and effectively

used in the field "on a continuous day-to-day basis."

While accident prevention must originate with and be supported by the top man, the entire organization must be part of the program. In this, your field superintendent is a key man. He is the man on the spot who can make or break the program. Teach him, excite him and most of all, give him something to shoot for. You can appeal to his desire to avoid personal loss: his desire to excel; his desire for leadership; his desire for reward. Keep a safety record on all your field superintendents. Consider a portion of your savings from an accident prevention program as a bonus tied to his record on the job. Sharing the fruit of a successful program can make him an enthusiastic supporter of good practices, clean jobs, and on-time-completion.

Insurance companies want to help you organize effective safety programs and will help you in their administration. The insurance company which writes your Workmen's Comp will furnish trained safety engineers to talk over safety problems with you and your field men. They'll help you train your people and point out potential trouble spots on your jobs. Use them.

In addition, the Construction Division of the Michigan Safety Conference offers another source of safety information. The Construction Division is supported by 65 construction trade associations. It's run by an Executive Committee made up of contractors and association executives. The purpose of the Division is to provide the industry with a year-round program of safety education through regional safety meetings for management and supervisory personnel, promotion of safety through individual trade associations, and development of material to back up these efforts. Committee members of the Division are always ready to assist any firm in the establishment and operation of a Safety Program. You can get help by calling on your local Builders' & Traders' Exchange or the trade association to which you belong.

All of this may sound rather commercial, and it was meant to be so because much of the cost of permitting carelessness, complacency and ignorance to visit your job sites is hidden. The stark tragedy of a mutilated or lifeless body, the grief of families to whom you must account faces you each day you send a man on your jobs. To prevent the accident and save the life is your first responsibility. And in the process you may well discover that "safety doesn't cost. It pays!"

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New Plant Now Producing Starlux Plate Glass

Ray B. Wilcox

Ray Wilcox is the Architectural Representative for the Great Lakes Division of American-Saint Gobain Corporation located at 823 Fisher Building, Detroit. He is responsible for the promotion of the complete line of flat glass products as manufactured by A-SG.

Ray is a graduate of Cooley High School in Detroit and received his Bachelor of Architecture Degree from the University of Michigan.

He, his wife, Marge, and their three children, Kristeen, Mark and Michael live in Farmington Township where Ray is active in politics. Besides actively participating in subdivision and township civic associations he is an elected official serving as a member of the Farmington Board of Trustees.

American-Saint Gobain Corporation's new Greenland plant near Kingsport, Tennessee, is now producing Starlux plate glass. The Starlux family includes regular polished, heavy polished, and rough plate glass. The most up-to-date precision twin-grinding equipment at the new facility provides plate with true parallel, distortion-free surfaces, maximum brilliance, and minimum distortion.

Silvering quality Starlux plate is used where the highest standards are required. The glass is free from defects, either resulting from the original composition, or from the grinding and polishing process.

Mirror glazing quality is specified when a very high standard of perfection—exceptionally free of defects—is required. Glazing quality Starlux is the standard plate glass specified for conventional glazing applications.

Glazing quality is available in thicknesses of ⅛″ and ¼″, and in regular sizes up to 130 x 240 inches. Much larger sizes may be produced on Greenland's huge production line, and architect's with special size requirements can readily be accommodated.

The fact that plate glass is mechanically ground and polished after rolling makes it different from sheet glass. This operation develops a fine optically true surface with a high degree of surface parallelism, flatness, clarity, and polish.

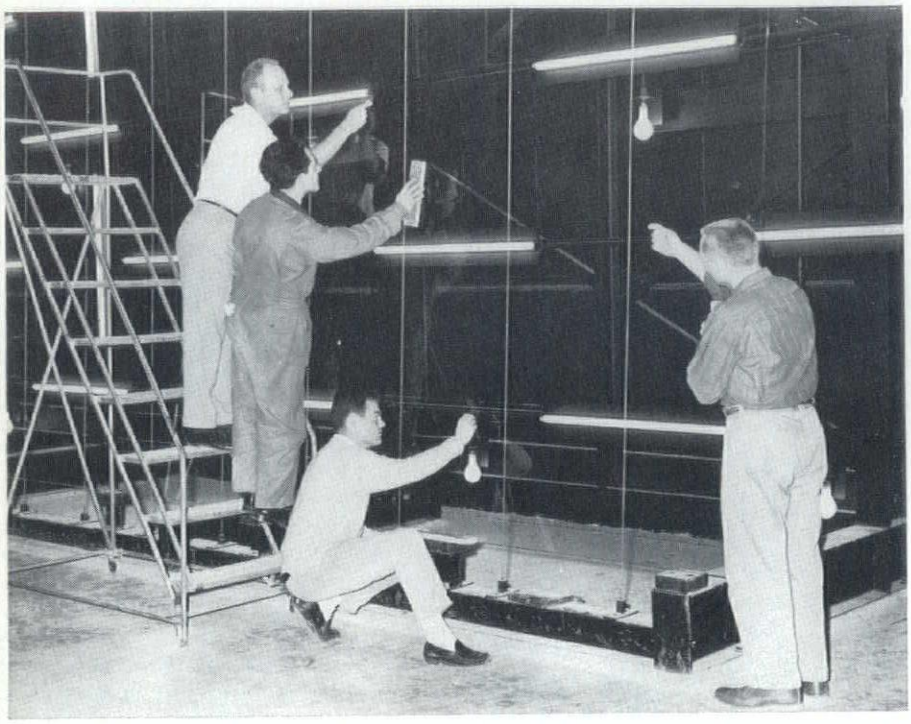
Plate glass is therefore preferred for glazing large openings and display windows, for mirrors, and for glass-clad buildings. Though new Starlux plate refers only to clear glass, A-SG also markets colored or tinted plate in six standard colors: steel gray, light gray, smoked topaz, sapphire blue, pink, and amber.

The trend to use of more color in architecture for fenestration and spandrels makes it important that a wide variety of plate glasses be available.

The new Greenland Plant can produce some 40,000,000 square feet of quality plate glass annually. The giant manufacturing facility makes A-SG the first American producer of all three basic types of flat glass—plate, sheet, and rolled.

The new A-SG Greenland plant is designed for efficient, straight-line production flow. Raw materials, including sand, soda ash, dolomite, limestone, feldspar, and salt cake are carefully measured out in the batch house. Self-powered, automatic batch cans transfer the materials to a 300-ton furnace which melts the ingredients to form molten glass.

When the temperature of the melt reaches 2800° Fahrenheit, a continu-



Estimators inspect Starlux plate glass against a background of fluorescent lamps.

ous sheet of glass—more than eleven feet wide—is drawn over the lip of the furnace. Batteries of huge water-cooled rolls shape the flexible glass to desired thickness before it enters the 600-ft. Lehr. There, annealing ovens control cooling so that internal stresses are relieved.

Emerging from the Lehr, the glass is ground smooth by large opposing, or twin-grinders, until both surfaces are parallel. It is then cut into large individual sheets and polished to a lustrous finish by whirling felt pads.

Starlux plate glass continually undergoes rigid inspection, ending in front of a galaxy of brilliant fluorescent lights before the final operations of cutting, washing, and packing, are performed.

Rapid and precise handling of materials and glass by special equipment was engineered throughout the complex process to achieve A-SG's high production goals.

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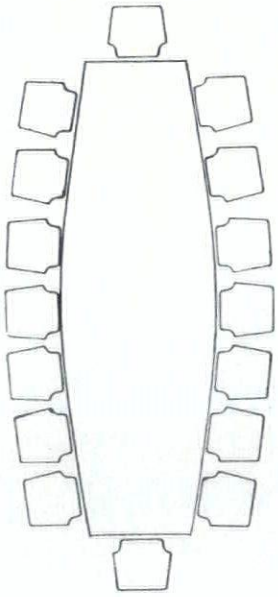

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MSA 1963 CONVENTION

The theme "Who Cares About Architecture?" will keynote MSA's 1963 Convention to be held March 6 through 8 in Detroit. Technical sessions will investigate in depth the relationship of today's architect to the public. Attendance at these convention meetings is open to all interested non-members.

All convention activities will be housed at the Sheraton-Cadillac Hotel. Producers' exhibits, important components of MSA gatherings, will be located on the fourth and fifth floors of the hotel. As in former years, viewing of all the exhibits will be encouraged through the awarding of an out-of-town trip for two to a lucky member. Departing from the traditional Bermuda destination, this year's award of a "mystery trip" will provide glamour and fun at a state-side location.

A special inducement to visit fifth floor exhibits will be offered in the form of daily prizes and a special grand prize to be presented the final day of the convention. Only numbers registered at exhibits located on the fifth floor will be eligible.

Opening event of the convention, after registration procedures are completed, will be the Groundbreaker party staged in the grand ballroom the evening of March 6. This informal event will feature the talents of comedian Mike Caldwell, vocalist Shirley Bolt and the Jerry Fenby Five.

Highlighting March 7 activities will be the annual business meeting of the Michigan Society of Architects, conducted by President Charles H. MacMahon, Jr., and the annual awards banquet.

The banquet audience will witness presentation of the MSA Gold Medal, MSA Honorary Membership, Producers' Exhibit Award and the prizes for winners of the 1963 Draftsmen's Competition, sponsored by the Sheet Metal Contractors of Detroit Industry Fund.

Finale of the convention will be the reknown MSA Cabaret. Jack Qualey's orchestra will provide music for dining and dancing at this formal party. Highpoint of the program will be the award of the mystery trip.

plan now to attend

Michigan Society of Architects

Annual Convention

on March 6, 7 and 8 at

the Sheraton-Cadillac Hotel, Detroit

Social Science and Architecture

Harold Binder, chairman of the Detroit Chapter Committee on Education, reports on a student chapter program.

Recently Dr. Mel Ravitz spoke at the University of Detroit on sociology and urban renewal. The program was sponsored by the U of D Student Chapter, one of our largest and most active chapters. The students have planned some excellent programs for the year. Certainly they could not have invited a better qualified speaker. Dr. Ravitz, who is both an associate professor of sociology at Wayne State University and member of Detroit's Common Council, has been very active in urban affairs.

The speaker dealt with a fundamental aspect of Urban Renewal which is perhaps not sufficiently emphasized in the schools of architecture. His basic message was obvious, the architect and planner should be completely aware of the cultural pattern for which he is designing. He cited the Jeffries Public Housing Project as evidence of the not uncommon neglect of elementary cultural patterns. How could a mother possibly supervise her children at play from an apartment some fourteen or fifteen stories up? Dr. Ravitz emphasized that physical renewal, unsupported by sociological renewal was doomed to failure. Slum dwellers developed their own pattern of culture, he said, a pattern which often remained with them after they had been rehoused in better areas. The result was likely to be that they took the slums with them, the new areas becoming as bad as the old. This, he pointed out, was one of the major reasons for the rapid spread of slums.

Dr. Ravitz followed his prepared talk by answering questions from the floor. These underscored the group's deep interest in the sociological approach. The discussion ranged from Detroit's soft housing market to the Ford Foundation's "Great Cities" educational program. The students were seeking answers, they were looking for exact knowledge to substitute for the intuition, speculation and opinion that seem to be the basis for so much of our design.

I must admit to an uneasy feeling about this matter of looking to scientific research, social science included, for definitive answers. Most practicing architects have had the disenchanting experience of designing to meet all the specifics of an exhaustively detailed program, only to find the program obsolete almost as soon as the building was occupied. School plan-

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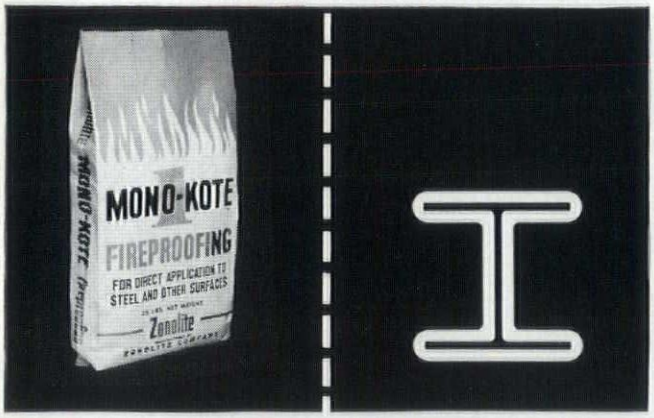
ners, theatre experts, hospital consultants, etc. all frankly confess that they cannot predict what new developments may radically alter their present point of view.

Dr. Ravitz is, of course, too serious minded a thinker to offer "pat" answers. He pointed out that cultural patterns are changing all the time, and that it is not possible to predict accurately the character of the change, or even the rate of change.

Change is the only thing that even the most qualified expert can predict with assurance in these dynamic times. Consequently more and more architectural programs are stressing flexibility over function. There is a growing demand for modular units, moveable parts, flexible mechanical and electrical systems; all of these to be prefabricated, demountable, portable, re-useable, etc. The result is an increasingly anonymous machine aesthetic, sometimes quite sophisticated and refined, but always impersonal, unspecific and uncommitted. In an effort to rationalize this design approach Mies has coined the phrase "universal space." If this trend continues the role of the architect may soon be reduced to that of an industrial designer.

Designing components and assembling them into packages is indeed a narrow approach to the design of a total environment. We know from history that the architect, as a creative artist, contributes something extremely valuable and basically significant. Who would claim that the Cathedral of Notre Dame, Piazza San Marco, Cranbrook, or the McGregor Center are direct responses to scientifically researched program specifications? Who would suggest that these masterpieces be made more standardized in the interest of flexibility? Expert guidance and research are necessary in our increasingly complex and challenging society. We need many new answers, yet there is an inherent danger that research and statistics may push design out of the picture completely. I think the planners have come to realize this. Students are increasingly aware of the broad scope of architecture today and are eager to broaden their horizons. This stimulating program was an effort in that direction, it would have done credit to the parent chapter.



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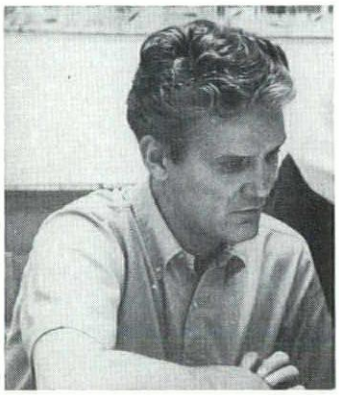

Bruno Leon, chairman of the Department of Architecture, University of Detroit, has been named to the board of directors of the Detroit Chapter. His appointment fills the vacancy by the election of Sol King, president of Albert Kahn Associated Architects and Engineers, Inc., to the chapter vice presidency.

DEADLINE NEAR FOR DRAFTSMEN'S COMPETITION

Architectural, structural, mechanical and electrical draftsmen planning to enter the 1963 MSA Draftsmen's Competition, sponsored by the Sheet Metal Contractors of Detroit Industry Fund, are reminded of the approaching February 15 deadline for submitting drawings. Entries must reach William J. Rettenmier, executive secretary of the SMCAD Industry Fund, 303 C.P.A. Building, 2411 Fourteenth St., Detroit 16, on or before Friday, February 15, 1963.

Advance information on the number of entries to expect is most important to competition judges, announces Chairman Samuel D. Popkin. Offices are urged to return immediately the competition cards sent out last month so that plans for judging can be formulated. Mr. Popkin urges wide participation to make the competition representative of each field of engineering and to make it truly statewide in scope. Architectural and engineering organizations are urged to encourage all draftsmen to compete. Many offices are holding their own competition to select entries for the main event, the MSA Draftsmen's Competition with its $1,000 in cash prizes and nine prize winners' plaques to be presented at the 49th Annual MSA Convention.

Additional copies of rules folders and entry forms may be obtained from Mr. Popkin, AIA, 345 New Center Building, Detroit 2, SMCAD Industry Fund office, or the MSA office, 1007 Michigan Mutual Building, 28 W. Adams, Detroit 26. General information about the competition can be found on page 22 of the Monthly Bulletin for December.

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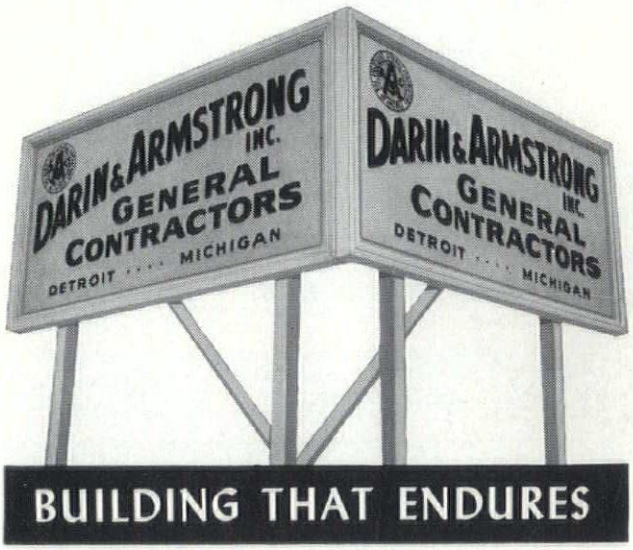

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REGISTRATION GRANTED 57 MICHIGAN ARCHITECTS

Registration to 57 architects has been granted by the Michigan State Board of Registration for Architects, Professional Engineers, and Land Surveyors, announces Henry G. Groehn, executive secretary of the board. Included in the total are 43 architects registered by written examinations and 14 architects registered by reciprocity from other states.

Registration has also been granted to 367 professional engineers and 29 land surveyors. Approximately 10,000 persons are now registered in the State of Michigan as architects, professional engineers or land surveyors, according to Mr. Groehn.

Public recognition was accorded the newest registrants at a specially arranged meeting held December 1 at the Engineering Society of Detroit. At ceremonies witnessed by families and friends, Henry T. McGaughan, Pontiac, chairman of the Board of Registration, presented certificates of registration to the honored guests. The program was sponsored by the Architects, Professional Engineers and Land Surveyors Council on Registrations.

A geographical listing of newly registered architects includes the following: Ann Arbor, Harold Jay Borkin and Leon Robert Hatch; Battle Creek, James Webster Bauer; Big Rapids, Donald F. White; Birmingham, Patrick Henry Corcoran, John D. Hilberry,

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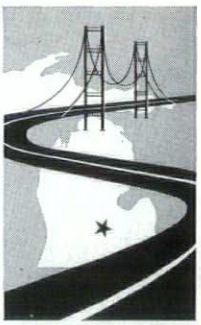

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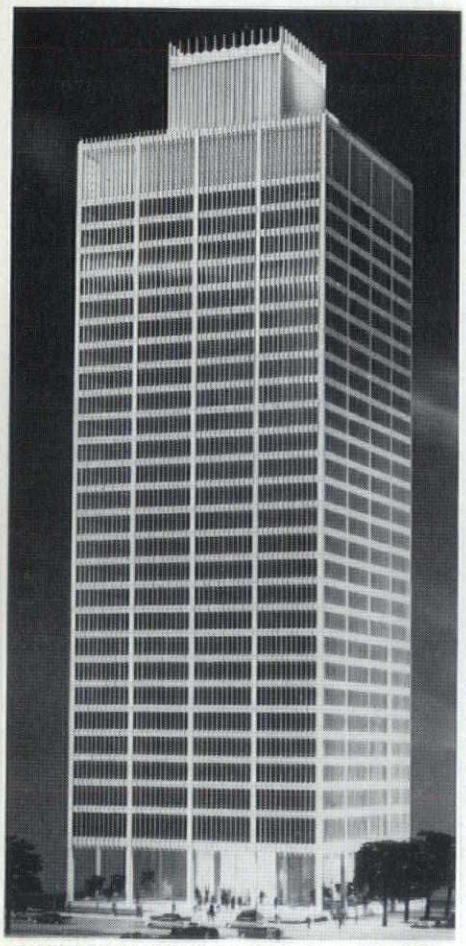
Bryon Center, Kenneth L. Ball; Clawson, Robert W. Shaffer; Dearborn, Richard J. Happley; Detroit, Howard D. Cutter, Gunars H. Gruzdins, Walter E. Moritz, Jr., Norman J. Skruch, Johnson P. Stemplowsky and Vytautas J. Usas; East Detroit, John H. Tuharsky; East Lansing, Frederick Dawe, Jr.; Escanaba, Norman G. Arntzen.

Farmington, Ralph R. Bergsma; Ferndale, Theodore L. Degenhardt, Jr., Kurt A. Weber; Flint, Archie R. Campbell, Jr.; Grand Rapids, Richard F. Ziegler; Grosse Pointe, William H. Ellis; Inkster, Richard Mayo Wycoff; Kalamazoo, Charles W. Maltby, Constantin V. Micuda; Lansing, Nielsen Dalley and Jude T. Fusco.
Livonia, John J. Graham; Midland, John Frederick Simonsen; Oak Park, Michael S. Downes; Orchard Lake, Lauren Frederic Otis; Royal Oak, Robert L. Ziegelman; St. Clair Shores, Russel J. Hofer; Traverse City, Edwin Shelby III; and Warren, Raymond W. Efthemiou.

PARTICIPANTS NAMED IN RENSSELAER COMPETITION

Six nationally known architectural firms have accepted invitations to participate in an architectural competition to design an instructional communications center to be located on the campus of Rensselaer Polytechnic Institute. Participating are: Perkins & Will, Chicago; The Architects Collaborative, Cambridge, Massachusetts; O'Neil and Associates, San Antonio; Hellmuth, Obata & Kassabaum, Inc., St. Louis, Missouri; Kump Associates, Palo Alto, California; and Richard W. Snibbe, New York City.
The center will include lecture hall facilities equipped with a variety of instructional aids and media; adjunct projection, storage and preparation areas; television, film and instructional materials production facilities; communications research and administration areas; and the necessary building service, maintenance and shop areas. The entire center will be devoted to the development and utilization of modern communication devices for the purpose of more effective and efficient presentation of subject matter to students of engineering and science. In essence, it is a center for improved teaching and learning.

The competition is being conducted through the School of Architecture with the assistance and encouragement of the Educational Facilities Laboratories, Inc., New York City, and Clay P. Bedford, a Rensselaer Life Trustee and vice president of Kaiser Industries, Inc., Oakland, California.



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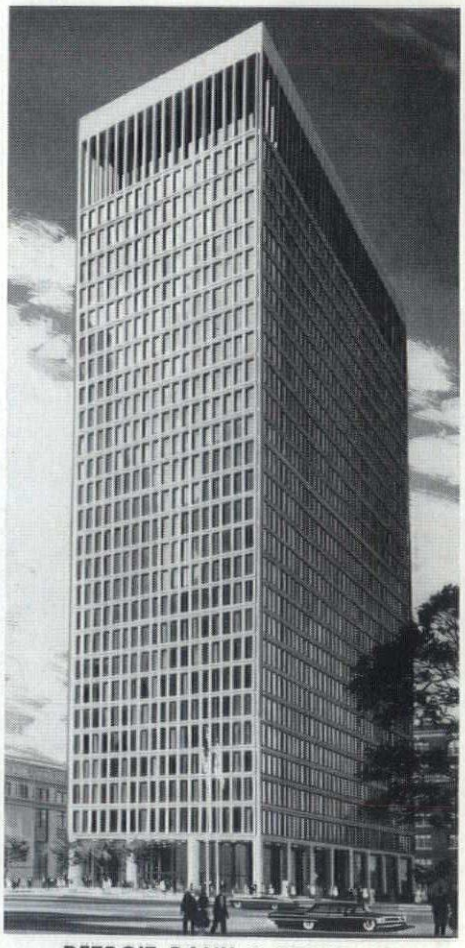

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Jay S. Pettitt

ATTENDS SYMPOSIUM

Jay S. Pettitt, chief architectural draftsman for Albert Kahn Associated Architects and Engineers, Inc., attended a symposium on research animal housing held November 16 and 17 in Washington, D.C. The meeting was sponsored by the Institute of Laboratory Animal Resources and supported by a grant from the United States Public Health Service.

Participants included authorities representing business and industry, architecture and engineering, government and education, University of Michigan Professor B. J. Cohen delivered the symposium's introduction and led its summation. More than 500 from all sections of the country attended.

NEW GRAND RAPIDS FIRM

Eugene J. Harmsen and Robert A. Reid announce the formation of Harmsen and Reid, AIA, Architects. Offices of the new firm are at 115 Wealthy Street S. E., Grand Rapids 6, Michigan.

Mr. Harmsen is a 1952 graduate of the University of Michigan College of Architecture and Design. He has formerly held positions with the J. & G. Daverman Company and with Jan T. Gaastra, AIA. For the past year he has served as president of the Grand Rapids Metropolitan Architectural league.

Mr. Reid graduated from the University of Michigan College of Architecture and Design in 1956. He was formerly staff architect with Post-McMillan Associates. He has held the office of assistant secretary-treasurer of the Grand Rapids Architectural League during 1962.

USAS, HATCH OBTAIN MICHIGAN REGISTRATION

Two of the architects who passed the last State Board examinations for registration as architects in Michigan are with Albert Kahn Associates. Vytautas Usas, job captain, has been with the Kahn organization for the past 12 years. Educated in Lithuania and Germany, he came to the United States in 1949. He is an associate member of the Detroit Chapter AIA. Robert Hatch, draftsman, joined the Kahn firm in 1960. A graduate of the Pratt Institute of Brooklyn, also the University of Michigan, Mr. Hatch is a member of the Civic Art Committee of Ann Arbor.

KNAPP JOINS DAVERMAN CO.

E. John Knapp AIA, former partner in the firm of OBryon & Knapp, Grand Rapids, has joined the staff of the J & G Daverman Company Architects and Engineers as a designer and project architect.

Mr. Knapp, a graduate of Lawrence Institute of Technology was formerly with Smith Hinchman & Grylls and Eero Saarinen Associates before moving to Grand Rapids several years ago. In 1960 he was the recipient of Lawrence Tech's Alumni Achievement Award. He is currently serving as chairman of the East Grand Rapids City Planning Commission.

BID REGISTRY IS TOPIC OF SAGINAW MEETING

The bid registry system was reviewed at the November meeting of Saginaw Valley Chapter members and guests. Speakers were Paul B. Brown of Harley-Ellington-Cowin and Stirton Inc. and president of the Detroit AIA Chapter, and William Stewart of the Detroit Associated General Contractors.

Both stressed the fact that the bid registry system can be instituted only with the full cooperation of owner, architect and contractor. Following the talks, a lively discussion of some of the unresolved problems arising to date from the first four biddings. The bid registry system is one of the latest atttempts to find an answer to the problem of bid shopping.

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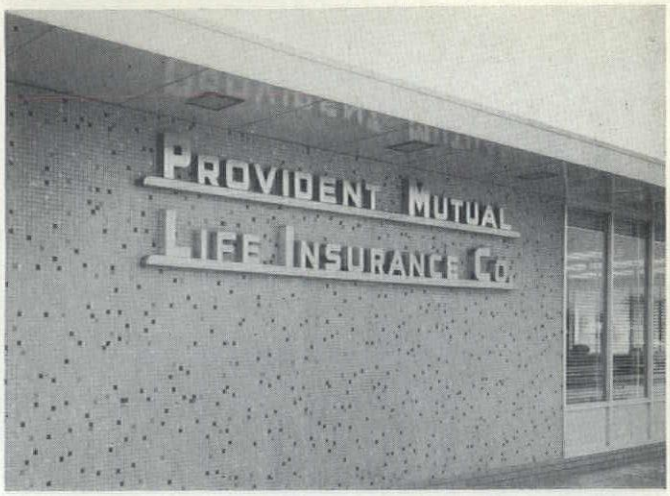

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DETROIT CHAPTER MEETING

Wednesday, January 23, 1963

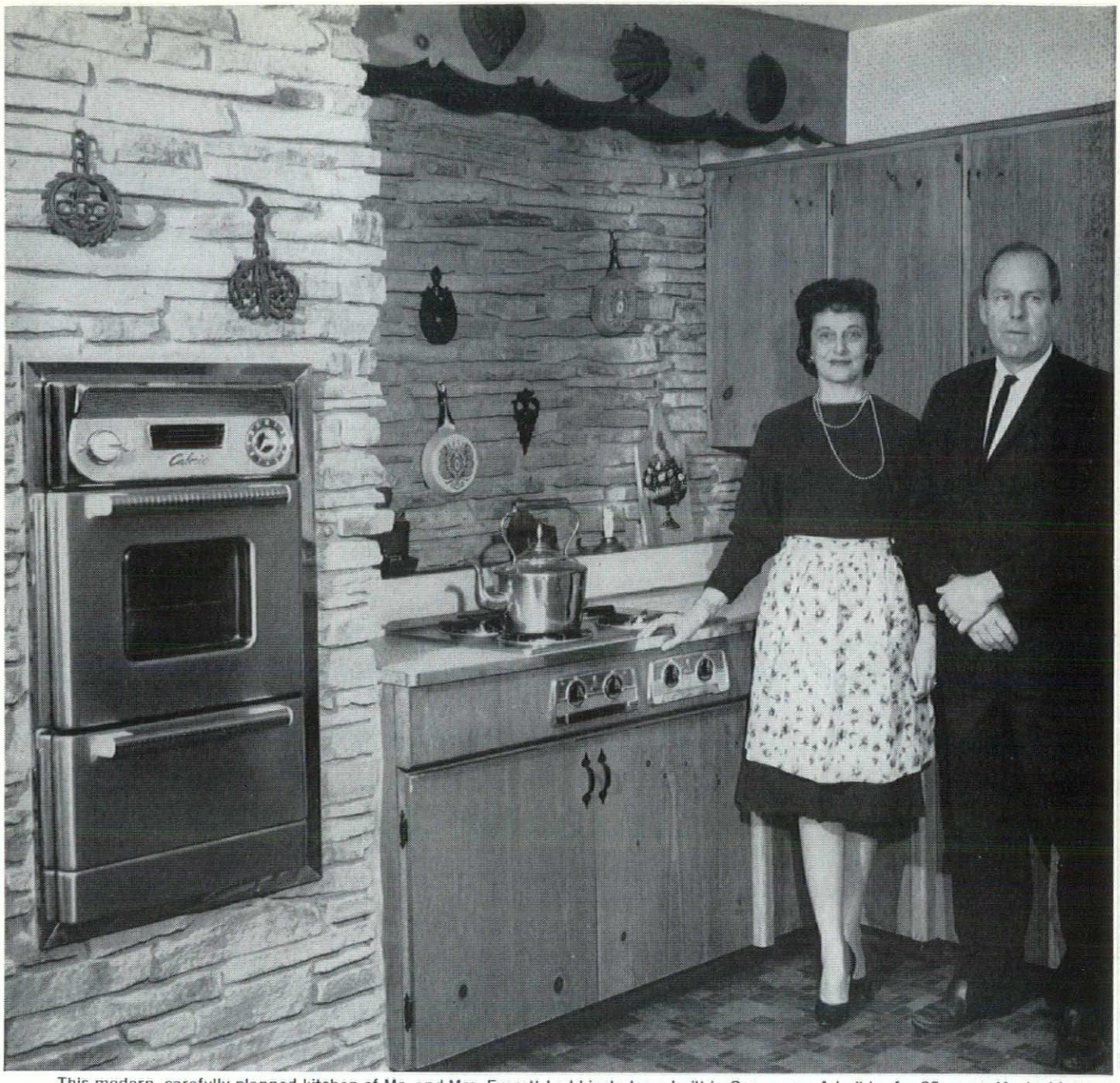
at

ENGINEERING SOCIETY
OF DETROIT

Guest Speaker: *Attorney General* FRANK KELLEY will discuss the Registration Act and other subjects of vital interest to architects.

DINNER 6:30 P.M.

PROGRAM 8:00 P.M.



This modern, carefully planned kitchen of Mr. and Mrs. Everett Ladd includes a built-in Gas range. A builder for 25 years, Mr. Ladd is also prominent in Grand Rapids HBA activities. Mrs. Ladd color-styles her husband's homes and assists him in design and planning.

Personally, Everett Ladd prefers Gas

So far as Everett and Betty Ladd are concerned, Gas is the perfect method for cooking, heating, and water heating.

Regarding their built-in Gas range, the Ladds are enthusiastic in their praise: "We like the instant behavior of the blue flame. Besides the unbeatable way the flame broils meats, we prefer the kind of convenience and dependability you get only with Gas."

Such strong feelings about the advantages of Gas are common among builders in the Grand Rapids area—and 'round the nation. That's why experienced builders so often specify Gas for their own homes. And, since most home buyers prefer it, too, builders naturally include it in most of their construction homes.

Friendly tip: give yourself and your customers the best for less—go with Gas.

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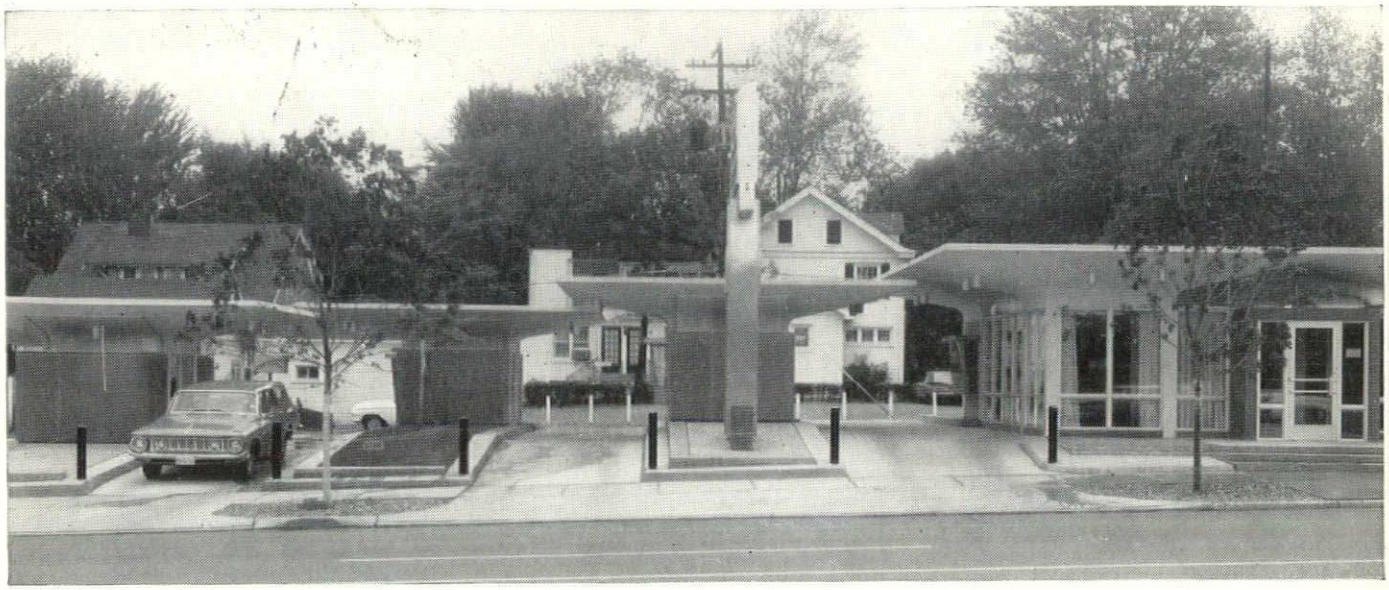

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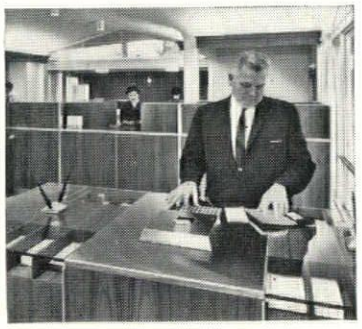
heating problems!

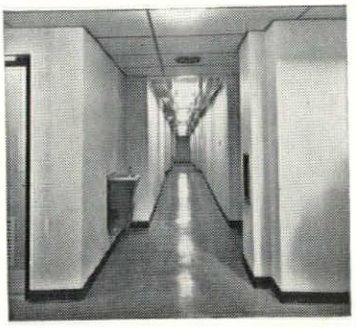
Detroit Bank and Trust Company's new "Motor Bank" branch in Birmingham is really four units in one—a banking office and three smaller tellers' islands.

This new island concept of drive-in banking was introduced to speed automobile traffic and service. It also created a problem: how to economically heat and cool these separated units? An all-electric heating system was the answer. Air passing through the bank's air-conditioning ducts is warmed by electric heating elements. In the tellers' islands, electric baseboard units and infrared heaters were installed as supplemental heating units.

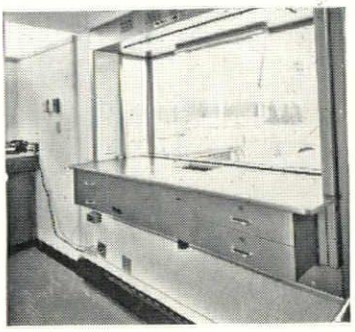
Like to know more about electric heat—its advantages and savings? In Detroit just call WO 2-2100, ext. 2223. Outstate, call your nearest Edison office.



Banking office service desk features a built-in adding machine for customer use.



An underground passageway leads from the banking office to the tellers' islands.



Electric baseboard is teamed with infrared heater in each teller's island.

Detroit Edison